

grixazone synthase

Cat. No. EXWM-0481

Lot. No. (See product label)

Introduction

Description

A type 3 multi copper protein. The enzyme, isolated from the bacterium *Streptomyces griseus*, catalyses an 8 electron oxidation. Activation of the enzyme requires a copper chaperone (GriE). It also acts on 3-amino-4-hydroxybenzaldehyde, giving grixazone A. The second aldehyde group is presumably lost as formate. The enzyme also catalyses the reaction of EC 1.10.3.4 o-aminophenol oxidase.

Synonyms

GriF

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.10.3.15

Reaction

$2 \text{ 3-amino-4-hydroxybenzoate} + \text{N-acetyl-L-cysteine} + 2 \text{ O}_2 = \text{grixazone B} + 4 \text{ H}_2\text{O} + \text{CO}_2$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.